

In the Claims


Applicant has submitted a new complete claim set indicating marked-up claims with insertions and deletions indicated by underlining and strikeouts, respectively.

Please amend pending claims 1, 3, 4, and 22 as noted below.

1. (Currently Amended) An isolated nucleic acid molecule selected from the group consisting of:

(a) nucleic acid molecules which hybridize under stringent conditions to a molecule consisting of a nucleotide sequence set forth as SEQ ID NO:1 and which code for a human *vasa* polypeptide, wherein the stringent conditions are hybridization at 65°C in hybridization buffer (3.5 x SSC, 0.02% Ficoll, 0.02% polyvinyl pyrrolidone, 0.02% Bovine Serum Albumin, 2.5mM NaH₂PO₄(pH7), 0.5% SDS, 2mM EDTA), wherein SSC is 0.15M sodium chloride/0.015M sodium citrate, pH7; SDS is sodium dodecyl sulphate; and EDTA is ethylenediaminetetracetic acid,

(b) nucleic acid molecules that differ from the nucleic acid molecules of (a) ~~or (b)~~ in codon sequence due to the degeneracy of the genetic code, or
(c) full-length complements of (a) or (b).

 2. (Original) The isolated nucleic acid molecule of claim 1, wherein the isolated nucleic acid molecule comprises the nucleotide sequence set forth as SEQ ID NO:1.

3. (Original) The isolated nucleic acid molecule of claim 1, wherein the isolated nucleic acid molecule consists of the nucleotide sequence set forth as SEQ ID NO:15 or a fragment thereof.

4. (Currently Amended) An isolated nucleic acid molecule selected from the group consisting of

(a) ~~unique~~ fragments of a nucleotide sequence set forth as SEQ ID NO:1, between 8 and 2223 nucleotides in length,

(b) full-length complements of (a),

provided that a ~~unique~~ fragment of (a) ~~excludes~~ includes a sequence of contiguous nucleotides which is not identical to any sequence selected from the sequence group sequences consisting of

(1) sequences having the database accession numbers of Table I, or sequences encoding a polypeptide having an amino acid sequence selected from the group consisting of SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, and SEQ ID NO:7,

(2) full-length complements of (1), and

(3) fragments of (1) and (2).

5-21. (Cancelled).

22. (Currently Amended) A kit, comprising a package containing:

an agent that selectively binds to the isolated nucleic acid of claim 1 ~~or an expression product thereof, and~~

~~a control for comparing to a measured value of binding of said agent to said isolated nucleic acid of claim 1 or expression product thereof.~~

23-88. (Cancelled).